

CSP-2017-1 MT - Ag Land Farmstead

Soil Erosion

Sheet and Rill Erosion

Planning Criteria

Screening level: Permanent ground cover > 90% and slope < 10%.
Assessment level: The water erosion rate is <= T.

Planning Criteria Met

Yes ☐ No ☐

Evaluation Tests

All non-traffic areas are vegetated.

Evaluation Test Met

Yes ☐ No ☐

All temporary or permanent rills and gullies are stabilized. All areas expected to have high erosion rates are stable.

Yes ☐ No ☐

Wind Erosion

Planning Criteria

Screening level: Permanent ground cover > 90% and slope < 10%.
Assessment level: The wind erosion rate is <= T.

Planning Criteria Met

Yes ☐ No ☐

Evaluation Tests

All temporary or permanent rills and gullies are stabilized. All areas expected to have high erosion rates are stable.

Evaluation Test Met

Yes ☐ No ☐

All non-traffic areas are vegetated.

Yes ☐ No ☐

CSP-2017-1 MT - Ag Land Farmstead

Classic Gully Erosion

Planning Criteria

Screening level: Classic gullies are not present. Assessment level: Classic gully management is adequate to stop the progression of head cutting and widening and are offsite impacts are minimized by vegetation and/or structures.

Planning Criteria Met

Yes ☐ No ☐

Evaluation Tests

All temporary or permanent rills and gullies are stabilized. All areas expected to have high erosion rates are stable.

Evaluation Test Met

Yes ☐ No ☐

Water runoff from hard surfaces, such as building roofs, is controlled to the point that it does not cause erosion or large streams of water.

Yes ☐ No ☐

Soil erosion in areas integrated with trees is controlled. There are no impacts on sensitive vegetation. There are no occurrences or enlargement of gullies.

Yes ☐ No ☐

Streambank, Shoreline, Water Conveyance Channels

Planning Criteria

Screening level: Streams, shoreline or channels are not adjacent to site. Assessment level: For shorelines and water conveyance channels; banks are stable or commensurate with normal geomorphological processes, AND if bank erosion is present, it is beyond the client's control or commensurate with normal geomorphological processes, AND for streambanks, SVAP2 bank condition element score > 5.

Planning Criteria Met

Yes ☐ No ☐

Evaluation Tests

Excluding all fundamentally unstable, natural geomorphic streambanks/shorelines, all streambanks/shorelines on the operation show few signs of erosion or bank failure. Each is stable and protected with natural materials.

Evaluation Test Met

Yes ☐ No ☐

CSP-2017-1 MT - Ag Land Farmstead**Excess Water****Runoff and Flooding and Ponding****Planning Criteria****Planning Criteria Met**

Screening level: Ponding or flooding not a problem AND activities do not cause ponding/flooding problems. Assessment level: Excess water is managed to meet client's objectives.

Yes ☐ No ☐**Evaluation Tests****Evaluation Test Met**

Water runoff from hard surfaces, such as building roofs, is controlled to the point that it does not cause flooding or ponding

Yes ☐ No ☐

CSP-2017-1 MT - Ag Land Farmstead

Water Quality Degradation

Pesticides in Surface Water

Planning Criteria

Screening level: Pest control chemicals are not applied. Assessment level: Pesticides are stored, handled, disposed and managed to prevent runoff, spills, leaks and leaching AND conservation practices and managements are in place to minimize surface water impacts.

Planning Criteria Met

Yes ☐ No ☐

Evaluation Tests

Pesticides are applied using a site-specific mixture of prevention, avoidance, monitoring, and suppression (PAMS) strategies. Environmental risk screening tool are used (such as WIN-PST or similar LGU approval tool). Application rates and timing are compliant with the label and the conservation plan.

Evaluation Test Met

Yes ☐ No ☐

Pesticides in Ground Water

Planning Criteria

Screening level: Pest control chemicals are not applied. Assessment level: Pesticides are stored, handled, disposed and managed to prevent runoff, spills, leaks and leaching AND conservation practices and managements are in place to minimize ground water impacts.

Planning Criteria Met

Yes ☐ No ☐

Evaluation Tests

Pesticides are applied using a site-specific mixture of prevention, avoidance, monitoring, and suppression (PAMS) strategies. Environmental risk screening tool are used (such as WIN-PST or similar LGU approval tool). Application rates and timing are compliant with the label and the conservation plan.

Evaluation Test Met

Yes ☐ No ☐

CSP-2017-1 MT - Ag Land Farmstead

Nutrients in Surface Water

Planning Criteria

Screening level: Organic or inorganic nutrients are not applied AND the PLU is not grazed AND there are no confined livestock areas. Assessment level: Conservation practices and managements are in place to minimize surface water impacts AND surface waters are protected from contamination due to runoff and leaching from storage sites, spill and other concentrated sources.

Planning Criteria Met

Yes ☐ No ☐

Evaluation Tests

Manure and untreated runoff from animal pens, feedlots, or similar AFO is stopped from entering nearby streams, drainage ditches, and irrigation ditches.

Evaluation Test Met

Yes ☐ No ☐

Livestock access to stream is controlled OR limited to small watering or crossing areas.

Yes ☐ No ☐

Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Surface Water

Planning Criteria

Screening level: Potential sources of pathogens or pharmaceuticals are not applied on the land. Assessment level: Organic materials are applied, stored, and/or handled to mitigate negative impacts to surface water sources.

Planning Criteria Met

Yes ☐ No ☐

Evaluation Tests

Manure and untreated runoff from animal pens, feedlots, or similar AFO is stopped from entering nearby streams, drainage ditches, and irrigation ditches.

Evaluation Test Met

Yes ☐ No ☐

Livestock access to stream is controlled OR limited to small watering or crossing areas.

Yes ☐ No ☐

CSP-2017-1 MT - Ag Land Farmstead

Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Ground Water

Planning Criteria

Planning Criteria Met

Screening level: Potential sources of pathogens or pharmaceuticals are not applied on the land. Assessment level: Organic materials are applied, stored, and/or handled to mitigate negative impacts to groundwater sources.

Yes ☐ No ☐

Evaluation Tests

Evaluation Test Met

Any water well(s) is located at least 100 feet from animal pens, feedlots, or similar AFO. Runoff from these areas is treated. An impervious barrier around the well prevents seepage into the groundwater.

Yes ☐ No ☐

Petroleum, Heavy Metal and Other Pollutants Transported to Surface Water

Planning Criteria

Planning Criteria Met

Screening level: Activities do not present the potential for contamination by petroleum, heavy metals and other pollutants. Assessment level: Petroleum, heavy metals or other potential pollutants are stored and handled to avoid runoff to surface water.

Yes ☐ No ☐

Evaluation Tests

Evaluation Test Met

The fuel storage area and tank is located: - above the 100-year floodplain, - a minimum of 100 feet from any river, stream, ditch, pond, lake, sinkhole, wetland, or water well, and - within a stable place designed to provide secondary containment if the primary means were to fail.

Yes ☐ No ☐

CSP-2017-1 MT - Ag Land Farmstead

Petroleum, Heavy Metal and Other Pollutants Transported to Ground Water

Planning Criteria

Screening level: Activities do not present the potential for contamination by petroleum, heavy metals and other pollutants.
Assessment level: Petroleum, heavy metals or other potential pollutants are stored and handled to avoid runoff to groundwater.

Planning Criteria Met

Yes ☐ No ☐

Evaluation Tests

The fuel storage area and tank is located: - above the 100-year floodplain, - a minimum of 100 feet from any river, stream, ditch, pond, lake, sinkhole, wetland, or water well, and - within a stable place designed to provide secondary containment if the primary means were to fail.

Evaluation Test Met

Yes ☐ No ☐

Excessive Sediment in Surface Water

Planning Criteria

Screening level: Permanent ground cover > 90% and slope < 10% AND classic gullies are not present AND streams or shoreline are not on or adjacent to site. Assessment level: Upslope treatment and buffer practices address concentrated flows to water bodies AND the SVAP2 - bank condition >= 5 AND the livestock and vehicle water crossings are stable AND The water erosion rate is <= T AND wind erosion rate is <= T.

Planning Criteria Met

Yes ☐ No ☐

Evaluation Tests

The land adjacent to a stream, river, or other waterbody on the side or sides you control does: - have diverse, natural plant cover typical to that along streams in your area, - extend from the stream bank/shoreline for a distance of 35 feet or (if applicable) the minimum State buffer-width requirement, whichever is greater, AND - have few places where concentrated runoff flows through.

Evaluation Test Met

Yes ☐ No ☐

All small, temporary or permanent rills and gullies are stabilized.

Yes ☐ No ☐

CSP-2017-1 MT - Ag Land Farmstead

Elevated Water Temperature

Planning Criteria

Screening level: Water courses on or adjacent to the site are not designated by a State Agency as a temperature impairment OR water course temperature is not a client concern. Assessment level: The SVAP2 - riparian area quality element score is ≥ 5 AND the SVAP2 - riparian area quantity quality element score is ≥ 5 AND the SVAP2 - canopy cover element score is ≥ 6 , OR existing conservation practices are in place to address water temperature.

Planning Criteria Met

Yes ☐ No ☐

Evaluation Tests

More than 50 percent of the water surface is shaded on the length of the stream/river you control.

Evaluation Test Met

Yes ☐ No ☐

CSP-2017-1 MT - Ag Land Farmstead

Air Quality Impacts

Emissions of Particulate Matter (PM) and PM Precursors

Planning Criteria

Screening level: Activities are not present that contribute to agricultural source PM or PM precursor emissions AND episodes or complaints of emissions of PM (dust, smoke, exhaust, etc.), or chemical drift have not occurred. PM producing activity examples are: Prescribed Burn is conducted, Travel ways unpaved or untreated with binding agents, Engines (combustion source), Tillage, Pesticides are applied, Fertilization (manure/ commercial), CAFO/manure management). Assessment level: PM and PM Precursor emissions are managed to meet client objectives.

Planning Criteria Met

Yes ☐ No ☐

Evaluation Tests

Dust is controlled on all non-vegetated, unpaved travel ways.

Evaluation Test Met

Yes ☐ No ☐

Emission of Greenhouse Gases (GHGs)

Planning Criteria

Screening level: Activities are not present that produce GHGs emissions. GHG producing activities are: Fertilization(manure/commercial), CAFO/manure management, Engines (combustion source), Tillage, AND GHGs are not regulated in this planning area. Assessment level: Greenhouse gas emissions are managed to meet client objectives.

Planning Criteria Met

Yes ☐ No ☐

Evaluation Tests

The forest or woodlot is fully stocked with tree species adapted to the site. Species have high-growth rates or long life span with the ability to reach a large size.

Evaluation Test Met

Yes ☐ No ☐

CSP-2017-1 MT - Ag Land Farmstead

Degraded Plant Condition

Inadequate Structure and Composition

Planning Criteria

Screening level: Plant communities support the intended land use and desired ecological functions. Assessment level: Plant communities contain adequate diversity, composition and structure to support desired ecological functions.

Planning Criteria Met

Yes ☐ No ☐

Evaluation Tests

The forest or woodlot is fully stocked with tree species adapted to the site, has spacing for good tree growth and air flow between and beneath, does not have excessive tree mortality, has an understory made up of desirable species and is not inhibited by brush or other undesirable vegetation

Evaluation Test Met

Yes ☐ No ☐

Excessive Plant Pest Pressure

Planning Criteria

Screening level: Plant productivity is not limited from pest pressure. Assessment level: Pest damage to plants are below economic or environmental thresholds or client-identified criteria AND plant pests, including noxious and invasive species are managed to meet client objectives.

Planning Criteria Met

Yes ☐ No ☐

Evaluation Tests

Invasive and noxious weeds are controlled or not present.

Evaluation Test Met

Yes ☐ No ☐

CSP-2017-1 MT - Ag Land Farmstead**Wildfire Hazard, Excessive Biomass Accumulation****Planning Criteria**

Screening level: Wildfire hazards is not a concern. Assessment level:
Fuel loads and fuel ladders are managed to provide defensible space
and meet client objectives.

Planning Criteria Met

Yes ☐ No ☐

Evaluation Tests

Fire risk to sensitive sites are controlled by treatment, removal or
modification of vegetation, debris and detritus in a strip or area.

Evaluation Test Met

Yes ☐ No ☐

CSP-2017-1 MT - Ag Land Farmstead

Fish and Wildlife - Inadequate Habitat

Inadequate Habitat - Food

Planning Criteria

Planning Criteria Met

Assessment level: The WHSI rating is ≥ 0.5 AND (when surface stream present) the SVAP2 - fish habitat complexity element score is ≥ 7 AND the SVAP2 - aquatic invertebrate habitat element score is ≥ 7 , OR conservation practices and managements are in place that meet or exceed species or guild-specific habitat model thresholds, OR food is available in quality and extent to support habitat requirements for the species of interest.

Yes ☐ No ☐

Evaluation Tests

Evaluation Test Met

Designated areas are planted as food and habitat for pollinators/beneficial insects. For example, planted to nectar and pollen producing plants and protected from disruption--chemical, biological, or mechanical.

Yes ☐ No ☐

The land adjacent to a stream, river, or other waterbody on the side or sides you control does: - have diverse, natural plant cover typical to that along streams in your area, AND - extend from the stream bank/shoreline for a distance of 35 feet or (if applicable) the minimum State buffer-width requirement, whichever is greater.

Yes ☐ No ☐

Plant growth and cover is managed to develop and maintain habitat to help chosen wildlife species. <see State Wildlife Action Plan>

Yes ☐ No ☐

CSP-2017-1 MT - Ag Land Farmstead

Inadequate Habitat - Cover/Shelter

Planning Criteria

Assessment level: The WHSI rating is ≥ 0.5 AND (when surface stream present) the SVAP2 - barriers to movement element score is ≥ 7 AND the SVAP2 - fish habitat complexity element score is ≥ 7 AND the SVAP2 - aquatic invertebrate habitat element score is ≥ 7 , OR conservation practices and managements are in place that meet or exceed species or guild-specific habitat model thresholds, OR cover is of available quality and extent to support habitat requirements for the species of interest.

Planning Criteria Met

Yes ☐ No ☐

Evaluation Tests

Evaluation Test Met

Dead and/or down trees are intentionally left in the forest to provide wildlife cover.

Yes ☐ No ☐

Large, old, and/or "wolf" trees are intentionally retained in the forest to provide wildlife shelter. For example, trees with gnarled appearance, loose bark, or cavities.

Yes ☐ No ☐

Livestock access to stream is controlled OR limited to small watering or crossing areas

Yes ☐ No ☐

The land adjacent to a stream, river, or other waterbody on the side or sides you control does: - have diverse, natural plant cover typical to that along streams in your area, AND - extend from the stream bank/shoreline for a distance of 35 feet or (if applicable) the minimum State buffer-width requirement, whichever is greater.

Yes ☐ No ☐

CSP-2017-1 MT - Ag Land Farmstead

Inadequate Habitat - Water

Planning Criteria

Assessment level: The WHSI rating is ≥ 0.5 AND (when surface stream present) the SVAP2 - aquatic invertebrate habitat element score is ≥ 7 , OR conservation practices and managements are in place that meet or exceed species or guild-specific habitat model thresholds, OR water is available in quality and extent to support habitat requirements for the species of interest.

Planning Criteria Met

Yes ☐ No ☐

Evaluation Tests

Plant cover provides access to water that is at the right height and/or depth for wildlife species.

Evaluation Test Met

Yes ☐ No ☐

Water for habitat is at the right height, depth and time of year for wildlife species of concern

Yes ☐ No ☐

Inadequate Habitat - Habitat Continuity (Space)

Planning Criteria

Assessment level: The WHSI rating is ≥ 0.5 AND (when surface stream present) the SVAP2 - barriers to movement element score is ≥ 7 AND the SVAP2 - aquatic invertebrate habitat element score is ≥ 7 , OR conservation practices and managements are in place that meet or exceed species or guild-specific habitat model thresholds, OR The connectivity of habitat components are adequate to support stable populations of targeted species.

Planning Criteria Met

Yes ☐ No ☐

Evaluation Tests

People, vehicles, equipment, or livestock are only moved across a stream/river at a bridge, culvert, or stabilized ford crossing(s). Travel across the stream/river beyond these crossings is controlled.

Evaluation Test Met

Yes ☐ No ☐

In-stream structures (dam, diversion structure, bridge, culvert, low-water stream crossing, etc.) allow for the upstream/downstream movement of fish and other aquatic animals throughout most of the year.

Yes ☐ No ☐

CSP-2017-1 MT - Ag Land Farmstead

Inefficient Energy Use

Equipment and Facilities

Planning Criteria

Planning Criteria Met

Screening level: Client is not interested in improving equipment and facilities energy efficiency. Assessment level: Major components of a USDA approved energy audit have been implemented that address equipment and facilities to meet client objectives OR On-farm renewable energy and/or energy conserving practices have been implemented to meet client objectives.

Yes ☐ No ☐

Evaluation Tests

Evaluation Test Met

Energy loss from lighting, drying, refrigeration, cooling, heating, or building insulation has been improved.

Yes ☐ No ☐

Farming/Ranching Practices and Field Operations

Planning Criteria

Planning Criteria Met

Screening level: Client is not interested in improving equipment and facilities energy efficiency. Assessment level: Major components of a USDA approved energy audit have been implemented that address equipment and facilities to meet client objectives OR On-farm renewable energy and/or energy conserving practices have been implemented to meet client objectives.

Yes ☐ No ☐

Evaluation Tests

Evaluation Test Met

Energy loss from driven equipment, irrigation, or pumping has been improved.

Yes ☐ No ☐